## INDEX

NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS

Acquired Character, Inheritance of, T. H. MORGAN, 97

ALLARD, H. A., First Morning Song of Birds of D. C., 436 ALPATOV, W. W., Duration of Life of the Imago of Drosophila melanogaster, 37

BABCOCK, H. L., Variations in Caretta, 95

BEADLE, G. W. and R. A. EMERSON, A Fertile Tetraploid Hybrid, 190 Birds, Maternal Instincts of, B. J.

LUYET, 476

Births, Human, Multiple, W. W. GREULICH, 142

BLANCHARD, F. N., Breeding Migration of the Spotted Salamander,

BRINK, R. A., Inbred Strains of Corn, 525

BROOKS, B. W., L. B. WALSH and M. C. FERGUSON, Cytological and Genetical Study of Petunia, 91

CAPINPIN, J. M., Meiotic Behavior of the Triploid Oenotheras, 566 CASTLE, W. E., Significance of Sex-

uality, 481

Chromosome Numbers in Capsicum, C. L. HUSKINS and L. LA-COUR,

COCKERELL, T. D. A., Radiation and

Genetics, 474 Cole, L. J., Inheritance of Disease Resistance in Animals, 5

Corn, Inbred Strains of, BRINK, 525

Correlation, Coefficients of, J. A. HARRIS, B. GUNSTAD and M. M. NESS, 115

Crosses, Reciprocal, Interspecific, W. P. THOMPSON, 407

Cucurbita, Fruit Shape in, E. W. SINNOTT and D. HAMMOND, 509

Disease Resistance, in Animals, L. J. Cole, 5; in Plants, H. K. HAYES, 15

DOBZHANSKY, T., Intersexes in Drosophila melanogaster, 261

Dominance, Evolution of, R. A. Fisher, 385; Theory of, E. B. Ford, 560; J. B. S. Haldane, 87

Drosophila melanogaster, Intersexes in, T. Dobensky, 261; Male, Biology of, F. N. DUNCAN, 545 DUNCAN, F. N., Biology of the Male

Drosophila melanogaster, 545 Ecological Determination of Twisted Hypocotyl in Hemp, J. H. SCHAFF-NER, 367

EMERSON, R., The Chlorophyll Factor in Photosynthesis, 252 EMERSON, R. A. and G. W. BEADLE,

A Fertile Tetraploid Hybrid, 190

FEDERIGHI, H., Salinity and the Size

of Urosalpinx cinerea Say, 183
FERGUSON, M. C., B. W. BROOKS
and L. B. Walsh, Cytological and

Genetical Study of Petunia, 91 FERRY, L., N. I. SHAPIRO and B. N. SIDOROFF, Temperature and Mutation, 570

FISHER, R. A., Evolution of Dominance, 385

Fisher's Theory of Dominance, J. B. S. HALDANE, 87

FORD, E. B., Theory of Dominance, 560

Green, C. V., Inheritance in a Mouse Species Cross, 540

GREULICH, W. W., Human Multiple Births, 142

GUDGER, E. W., The Moonfish, 168 GUNSTAD, B. and J. A. HARRIS, Number and Sex of Human Off-spring, 495; J. A. HARRIS and M. M. NESS, Correlation Coefficients,

HALDANE, J. B. S., Fisher's Theory of Dominance, 87

HAMMOND, D. and E. W. SINNOTT, Fruit Shape in Cucurbita, 509

HANAWALT, V. B. and G. E. JOHNson, Hibernation of the Ground

Squirrel, 272 HARRIS, J. A., B. GUNSTAD and M. M. NESS, Coefficients of Correlation, 115; B. GUNSTAD, Number and Sex of Human Offspring, 495 HAVES, H. K., Disease Resistance in

Plants, 15 HECHT, S., Vision and Radiation,

193 HERSH, A. H., E. KARRER and A. L. LOOMIS, Mutation by Means of Supersonic Vibrations, 552

HUSKINS, C. L. and L. LA-COUR, Chromosome Numbers in Capsicum, 382

Hybrid, Fertile Tetraploid, R. A. EMERSON and G. W. BEADLE, 190 Hydrogen Ion, Concentration, 289-366; Determination, J. F. Mc-CLENDON, 289

JACOT, A. P., Moss-mites, 285 JOHNSON, G. E. and V. B. HANA-WALT, Hibernation of the Ground Squirrel, 272

JORDAN, H. E. and W. H. PAINE, Lecithin and the Sex Ratio in the Albino Rat, 422

KARRER, E., A. H. HERSH and A. L. LOOMIS, Mutation and Supersonic Vibrations, 552

KEELER, C. E., Effective X-ray Dosage in the House Mouse, 188

KURZ, H., Relation of pH to Plant Distribution, 314

LA-COUR, L. and C. L. HUSKINS, Chromosome Numbers in Capsicum, 382

Life, Duration of, in Drosophila melanogaster, W. W. ALPATOV, 37 LOOMIS, A. L., E. KARRER and A. H. HERSH, Mutation and Supersonic Vibrations, 552

LUYET, B. J., Maternal Instincts of Birds, 476

McClendon, J. F., Hydrogen Ion Determination, 289

MALHOTRA, R. C., Sex Ratio in Dioecious Plants, 470 MATHESON, R., Aquatic Plants and

Mosquito Control, 56

MATHEWS, A L., Natica as a Radicle, 430

Metz, C. W., Selective Fertilization in Sciara, 380

Moonfish, Lampris luna, E. W. Gup-**GER, 168** 

MORGAN, T. H., Inheritance of an Acquired Character, 97 Mosauer, W., Locomotion of Snakes,

179 Mosquito Control, Aids in, R.

MATHESON, 56 Moss-mites, A. P. JACOT, 285

Mouse, House, Effective X-ray Dosage in the, C. E. KEELER, 188; Species Cross, Inheritance in, C. V. GREEN, 540

MULLER, H. J., Radiation and Genetics, 220

Mutation, by Means of Supersonic Vibrations, A. H. Hersh, E. Karrer and A. L. Loomis, 552; and Temperature, L. Ferry, N. I. Shapiro and B. N. Sidoroff, 570

Natica as a Radicle, A L. MATHEWS,

NESS, M. M., J. A. HARRIS and B. GUNSTAD, Correlation Coefficients,

Oenotheras, Triploid, Meiotic Behavior of, J. M. CAPINPIN, 566 Offspring, Human, Number and Sex of, J. A. HARRIS and B. GUNSTAD, 495

PAINE, W. H. and H. E. JORDAN,

Lecithin and the Sex Ratio in the Albino Rat, 422

Petunia, Cytological and Genetical Study of, B. W. BROOKS, L. B. WALSH and M. C. FERGUSON, 91

pH, Requirements of Cultivated Plants, E. TRUOG, 300; Relation to Plant Distribution, H. KURZ, 314; to Aquatic Animals, E. B. Powers, 342

Photosynthesis, The Chlorophyll Factor in, R. EMERSON, 252

Powers, E. B., Relation between pH and Aquatic Animals, 342

Radiation, and Life, 193-260; and Vision, S. HECHT, 193; and Geneties, H. J. MULLER, 220; T. D. A. COCKERELL, 474

Rat, Albino, Lecithin and the Sex Ratio in, H. E. JORDAN and W. H. PAINE, 422

Rugh, R., Variations in Gonionemus murbachii, 93

Salamander, Spotted, Breeding Mi-gration of, F. N. BLANCHARD, 154 Salinity and Urosalpinx cinerea Say, H. Federighi, 183

SCHAFFNER, J. H., Twisted Hypocotyl in Hemp, 367

Sciara, Selective Fertilization in. C. W. METZ, 380

Sex, Ratio in Dioecious Plants, R. C. MALHOTRA, 470

Sexuality, Significance of, W. E. CASTLE, 481

SHAPIRO, N. I., L. FERRY and B. N. SIDOROFF, Temperature and Mutation, 570

Shorter Articles and Discussion, 87, 179, 285, 380, 470, 560

SIDOROFF, B. N., L. FERRY and N. I. SHAPIRO, Temperature and Mutation, 570

SINNOTT, E. W. and D. HAMMOND, Fruit Shape in Cucurbita, 509 Snakes, Locomotion of, W. Mosauer,

Song, Morning, of Birds of D. C., H. A. ALLARD, 436

Squirrel, Ground, Hibernation of the, G. E. Johnson and V. B. HANAWALT, 272

THOMPSON, W. P., Reciprocal Interspecific Crosses, 407 TRUOG, E., The pH Requirements of

Cultivated Plants, 300

Variations in Gonionemus murbachii, R. Rugh, 93; in Caretta, H. L. Вавсоск, 95

WALSH, L. B., B. W. BROOKS and M. C. FERGUSON, Cytological and Genetical Study of Petunia, 91

